

Aiden Wenzel

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 aiden-wenzel |  aiden-wenzel

EDUCATION

South Lyon High School | South Lyon, MI | September 2019 – June 2023

- 3.95 Unweighted GPA
- AP Scholar Award

University of Michigan | Ann Arbor, MI | September 2023 – Present

- Computer Engineering through the College of Engineering
- Dean's list fall 2023
- KKΨ National Honorary Band Fraternity
- Michigan Marching Band Piccolo

SKILLS

Coding

- **MATLAB:** organized data, manipulated images, and plotted data
- **C++:** manipulated Arduino microcontrollers, manually managed memory, and organized code with object-oriented programming
- **LaTeX:** built clean, mathematical documents

Source Control

- **Git:** committed, branched, and documented changes to local repositories
- **GitHub:** pushed, pulled, and cloned from cloud based repositories

Microsoft Office

- **Power Point:** created simple and concise presentations
- **Excel:** organized information, and manipulated information with functions

EXPERIENCE

National Honor Society | Nonprofit Volunteer | September 2023 – June 2023

- Performed more than 70 hours of community service
- Assisted students struggling in physics through after school tutoring

Projects (src not public for honor code reasons)

Radiation and Brain Tumor Image Processor | MATLAB

- Generates a radiation heat map for a hypothetical planet based on a matrix of radiation values
- Takes in a brain MRI scan and determines if the brain has a tumor with 90% accuracy using image thresholding

Statistics Library | C++

- Reads in values from .tsv file and returns statistics from the data set such as mode, standard deviation, and percentile.
- Utilizes the `<vector>` library for storage of values
- Utilizes Makefiles and `<cassert>` library for easy compilation and regression testing of executable files